

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: December 23, 2004, 13:09:55 ; Search time 213.889 Seconds  
(without alignments)  
3254.138 Million cell updates/sec

Title: us-10-620-039-1\_COPY\_1\_125

Perfect score: 125  
Sequence: 1 TTGGCCACTCCCTCTCTGGG.....CGCAGAGAGGAGTGCCCAA 125

Scoring table: IDENTITY NUC

Gapop 10\_0 , Gapext 1.0

Searched: 4105333 seqs, 2784095677 residues

Total number of hits satisfying chosen parameters: 8210666

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.\*

- 1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq.\*
- 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq.\*
- 3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq.\*
- 4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq.\*
- 5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq.\*
- 6: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOMB.seq.\*
- 7: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq.\*
- 8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq.\*
- 9: /cgn2\_6/ptodata/1/pubpna/US09A\_PUBCOMB.seq.\*
- 10: /cgn2\_6/ptodata/1/pubpna/US09B\_PUBCOMB.seq.\*
- 11: /cgn2\_6/ptodata/1/pubpna/US09C\_PUBCOMB.seq.\*
- 12: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq.\*
- 13: /cgn2\_6/ptodata/1/pubpna/US10A\_PUBCOMB.seq.\*
- 14: /cgn2\_6/ptodata/1/pubpna/US10B\_PUBCOMB.seq.\*
- 15: /cgn2\_6/ptodata/1/pubpna/US10C\_PUBCOMB.seq.\*
- 16: /cgn2\_6/ptodata/1/pubpna/US10D\_PUBCOMB.seq.\*
- 17: /cgn2\_6/ptodata/1/pubpna/US10E\_PUBCOMB.seq.\*
- 18: /cgn2\_6/ptodata/1/pubpna/US10F\_NEW\_PUB.seq.\*
- 19: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq.\*
- 20: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq.\*
- 21: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	125	100.0	130	9	US-09-928-158B-1
2	125	100.0	145	9	US-09-782-378A-6
3	125	100.0	145	15	US-10-240-198-2
4	125	100.0	145	18	US-10-837-029-1
5	125	100.0	145	18	US-10-837-029-11
6	125	100.0	146	13	US-10-135-984-8
7	125	100.0	165	9	US-09-782-378A-8
8	125	100.0	165	13	US-10-054-665-7
9	125	100.0	165	15	US-10-159-968-13
10	125	100.0	170	17	US-10-669-641-3
11	125	100.0	175	16	US-10-276-356-1
12	125	100.0	207	15	US-10-023-208-58

13	125	100.0	955	10	US-09-845-416-26	Sequence 26, Appl
14	125	100.0	955	10	US-09-845-416-26	Sequence 26, Appl
15	125	100.0	987	10	US-09-845-416-33	Sequence 33, Appl
16	125	100.0	987	10	US-09-845-416-33	Sequence 33, Appl
17	125	100.0	4414	10	US-09-845-416-32	Sequence 32, Appl
18	125	100.0	4414	10	US-09-845-416-32	Sequence 32, Appl
19	125	100.0	4476	10	US-09-845-416-31	Sequence 31, Appl
20	125	100.0	4476	10	US-09-845-416-31	Sequence 31, Appl
21	125	100.0	4498	10	US-09-845-416-30	Sequence 30, Appl
22	125	100.0	4498	10	US-09-845-416-30	Sequence 30, Appl
23	125	100.0	4675	9	US-09-782-378A-1	Sequence 1, Appl
24	125	100.0	4675	9	US-09-782-378A-2	Sequence 2, Appl
25	125	100.0	4675	15	US-10-240-198-1	Sequence 1, Appl
26	125	100.0	4675	15	US-10-240-198-1	Sequence 1, Appl
27	125	100.0	4675	17	US-10-291-583-7	Sequence 7, Appl
28	125	100.0	4679	9	US-09-804-898-1	Sequence 1, Appl
29	125	100.0	4679	9	US-09-804-898-1	Sequence 1, Appl
30	125	100.0	4679	13	US-10-038-972A-12	Sequence 12, Appl
31	125	100.0	4679	15	US-10-136-819-6	Sequence 6, Appl
32	125	100.0	4680	13	US-10-077-234-1	Sequence 1, Appl
33	125	100.0	4680	13	US-10-163-886-1	Sequence 1, Appl
34	125	100.0	4680	14	US-10-263-127-1	Sequence 1, Appl
35	125	100.0	4680	15	US-10-375-777-1	Sequence 1, Appl
36	125	100.0	4681	16	US-10-696-261-18	Sequence 18, Appl
37	125	100.0	4681	16	US-10-696-282-18	Sequence 18, Appl
38	125	100.0	4681	16	US-10-696-900-18	Sequence 18, Appl
39	125	100.0	4683	16	US-10-696-261-19	Sequence 19, Appl
40	125	100.0	4683	16	US-10-696-282-19	Sequence 19, Appl
41	125	100.0	4683	16	US-10-696-900-19	Sequence 19, Appl
42	125	100.0	4683	17	US-10-427-129-6	Sequence 6, Appl
43	125	100.0	4825	10	US-09-845-416-29	Sequence 29, Appl
44	125	100.0	4825	10	US-09-845-416-29	Sequence 29, Appl
45	125	100.0	4848	10	US-09-845-416-35	Sequence 35, Appl

ALIGNMENTS

RESULT 1

US-09-928-158B-1  
; Sequence 1, Application US/09928158B  
; Patent No. US2002017722A1  
; GENERAL INFORMATION:  
; APPLICANT: SIKUN, LI  
; TITLE OF INVENTION: REPLICATION COMPETENT AAV HELPER FUNCTIONS  
; FILE REFERENCE: 102182-18  
; CURRENT APPLICATION NUMBER: US/09/928,158B  
; CURRENT FILING DATE: 2002-05-06  
; PRIOR APPLICATION NUMBER: 60/224,132  
; PRIOR FILING DATE: 2000-08-10  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: Patent version 3.0  
; SEQ ID NO 1  
; LENGTH: 130  
; TYPE: DNA  
; ORGANISM: adeno-associated virus 2  
US-09-928-158B-1

Query Match	100.0%	Score 125;	DB 9;	Length 130;
Best Local Similarity	100.0%	Pred. No. 9.6e-28;		
Matches 125;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTAGCGCGGCGCAACAAAGGTCGCC	60	
Db	1	TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTAGCGCGGCGCAACAAAGGTCGCC	60	
QY	61	CGACGCCCGGGCTTTGCGCGCGGCGCTCACTAGCGCGGCGCGCAGAGGAGGAGTG	120	
Db	61	CGACGCCCGGGCTTTGCGCGCGGCGCTCACTAGCGCGGCGCGCAGAGGAGGAGTG	120	
QY	121	GCCAA 125		
Db	121	GCCAA 125		

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; OTHER INFORMATION: Unpaired base
; US-10-240-198-2
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; Query Match 100.0%; Score 125; DB 15; Length 145;
; Best Local Similarity 100.0%; Pred. No. 9.3e-28;
; Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGGCGACCAAGGTCGCC 60
; Db 21 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGCGGCGACCAAGGTCGCC 80
;
; QY 61 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGGCGGCGGCGGCGGAGTG 120
; Db 81 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGGCGGCGGCGGCGGAGTG 140
;
; QY 121 GCCAA 125
; Db 141 GCCAA 145
;
; RESULT 4
; US-10-837-029-1
; Sequence 1, Application US/10837029
; Publication No. US20040248301A1
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: ADENO ASSOCIATED VIRUS VECTORS WITH
; TITLE OF INVENTION: INTRAVECTOR HETEROLOGOUS TERMINAL PALINDROMIC SEQUENCES
; FILE REFERENCE: 875.10SUS1
; CURRENT APPLICATION NUMBER: US/10/837,029
; CURRENT FILING DATE: 2004-04-30
; PRIOR APPLICATION NUMBER: US 10/194,421
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: US 60/305,204
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Adeno-associated virus
; US-10-837-029-1
;
; Query Match 100.0%; Score 125; DB 18; Length 145;
; Best Local Similarity 100.0%; Pred. No. 9.3e-28;
; Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGGCGACCAAGGTCGCC 60
; Db 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGGCGACCAAGGTCGCC 60
;
; QY 61 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGGCGGCGGCGGCGGAGTG 120
; Db 61 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGGCGGCGGCGGCGGAGTG 120
;
; QY 121 GCCAA 125
; Db 121 GCCAA 125
;
; RESULT 5
; US-10-837-029-11
; Sequence 11, Application US/10837029
; Publication No. US20040248301A1
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: ADENO ASSOCIATED VIRUS VECTORS WITH
; TITLE OF INVENTION: INTRAVECTOR HETEROLOGOUS TERMINAL PALINDROMIC SEQUENCES
; FILE REFERENCE: 875.10SUS1
; CURRENT APPLICATION NUMBER: US/10/837,029
; CURRENT FILING DATE: 2004-04-30
; PRIOR APPLICATION NUMBER: US 10/194,421
; PRIOR FILING DATE: 2002-07-12
;
; RESULT 2
; US-09-782-378A-6
; Sequence 6, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wadie
; APPLICANT: Sandakou, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-782-378A-6
;
; Query Match 100.0%; Score 125; DB 9; Length 145;
; Best Local Similarity 100.0%; Pred. No. 9.3e-28;
; Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGGCGACCAAGGTCGCC 60
; Db 1 TTGGCCACTCCCTCTCTCGCGCTCGCTCGCTCACTGAGCGCGGCGGCGACCAAGGTCGCC 60
;
; QY 61 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGGCGGCGGCGGCGGAGTG 120
; Db 61 CGACGCCCGGGCTTTGCCGGCGGCTCAGTGAGCGGCGGCGGCGGCGGAGTG 120
;
; QY 121 GCCAA 125
; Db 121 GCCAA 125
;
; RESULT 3
; US-10-240-198-2
; Sequence 2, Application US/10240198
; Publication No. US20030100115A1
; GENERAL INFORMATION:
; APPLICANT: BTG International Ltd
; APPLICANT: BEARD DR, PETER
; APPLICANT: RAJ DR, KENNETH
; TITLE OF INVENTION: CYTOTOXIC AGENTS
; FILE REFERENCE: 142184W0
; CURRENT APPLICATION NUMBER: US/10/240,198
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: 0009887.1
; PRIOR FILING DATE: 2000-04-20
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 145
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
; FEATURE:
; NAME/KEY: misc structure
; LOCATION: (1)-(145)
; OTHER INFORMATION: ITR
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (72)
; OTHER INFORMATION: Unpaired base
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (94)
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; PRIOR APPLICATION NUMBER: US 60/305,204
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Adeno-associated virus
US-10-837-029-11

Query Match      100.0%; Score 125; DB 18; Length 145;
Best Local Similarity 100.0%; Pred. No. 9.3e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGGCGACCAAGGTCGCC 60
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 6
US-10-135-984-8
; Sequence 8, Application US/10135984
; Publication No. US20020182595A1
; GENERAL INFORMATION:
; APPLICANT: Matthew D. Weitzman
; TITLE OF INVENTION: METHOD OF IDENTIFYING CELLULAR
; FILE REFERENCE: SALIKINS.041A
; CURRENT APPLICATION NUMBER: US/10/135,984
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/286951
; PRIOR FILING DATE: 2001-04-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 146
; TYPE: DNA
; ORGANISM: adeno-associated virus
US-10-135-984-8

Query Match      100.0%; Score 125; DB 13; Length 146;
Best Local Similarity 100.0%; Pred. No. 9.3e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGGCGACCAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGGCGACCAAGGTCGCC 60
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 7
US-09-782-378A-8
; Sequence 8, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Wadie
; APPLICANT: Bahou, Wadie
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; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri
; FILE REFERENCE: Adenoviral Vectors
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-782-378A-8

Query Match      100.0%; Score 125; DB 9; Length 165;
Best Local Similarity 100.0%; Pred. No. 9.1e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGGCGACCAAGGTCGCC 60
DB 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGGCGACCAAGGTCGCC 80
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 81 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 140
QY 121 GCCAA 125
DB 141 GCCAA 145

RESULT 8
US-10-054-665-7
; Sequence 7, Application US/10054665
; Publication No. US20020197237A1
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US2
; CURRENT APPLICATION NUMBER: US/10/054,665
; CURRENT FILING DATE: 2002-06-13
; PRIOR APPLICATION NUMBER: US 09/276,625
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 5,478,745
US-10-054-665-7

Query Match      100.0%; Score 125; DB 13; Length 165;
Best Local Similarity 100.0%; Pred. No. 9.1e-28;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGGCGACCAAGGTCGCC 60
DB 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGGGCGACCAAGGTCGCC 80
QY 61 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 81 CGACGCCCGGGCTTTGCCCGGGCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 140
QY 121 GCCAA 125
DB 141 GCCAA 145
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RESULT 9  
US-10-159-968-13/c  
; Sequence 13, Application US/10159968  
; Publication No. US20030152914A1  
; GENERAL INFORMATION:  
; APPLICANT: Kaplitt, Michael G.  
; APPLICANT: Musatov, Serge  
; TITLE OF INVENTION: Method for Generating Replication  
; TITLE OF INVENTION: Defective Viral Vectors That are Helper Free  
; FILE REFERENCE: 600-1-286  
; CURRENT APPLICATION NUMBER: US/10/159,968  
; CURRENT FILING DATE: 2002-05-31  
; PRIOR APPLICATION NUMBER: US 60/294,797  
; PRIOR FILING DATE: 2001-05-31  
; PRIOR APPLICATION NUMBER: US 60/313,007  
; PRIOR FILING DATE: 2001-08-07  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 13  
; LENGTH: 165  
; TYPE: DNA  
; ORGANISM: Adeno-associated virus  
US-10-159-968-13

Query Match 100.0%; Score 125; DB 15; Length 165;  
Best Local Similarity 100.0%; Pred. No. 9.1e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGAGCGAGCGCGGAGGAGTG 120  
Db 145 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGAGCGAGCGCGGAGGAGTG 86  
QY 61 CGAGCGCGCGGCTTTGCGCGCGCTCGCTCAGTGGAGCGAGCGCGGAGGAGTG 120  
Db 85 CGAGCGCGCGGCTTTGCGCGCGCTCGCTCAGTGGAGCGAGCGCGGAGGAGTG 26  
QY 121 GCCAA 125  
Db 25 GCCAA 21

RESULT 10  
US-10-669-641-3  
; Sequence 3, Application US/10669641  
; Publication No. US20040137628A1  
; GENERAL INFORMATION:  
; APPLICANT: WAGNER, THOMAS E.  
; APPLICANT: YU, XIANXANG  
; TITLE OF INVENTION: AAV ITR-MEDIATED MODULATION  
; FILE REFERENCE: 035879-0165  
; CURRENT APPLICATION NUMBER: US/10/669,641  
; CURRENT FILING DATE: 2003-09-25  
; PRIOR APPLICATION NUMBER: 60/413,450  
; PRIOR FILING DATE: 2002-09-26  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: PatentIn Ver. 3.2  
; SEQ ID NO 3  
; LENGTH: 170  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic AAV  
; OTHER INFORMATION: ITR nucleotide sequence  
US-10-669-641-3

Query Match 100.0%; Score 125; DB 17; Length 170;  
Best Local Similarity 100.0%; Pred. No. 9e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGAGCGCGGAGGAGTG 60

Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGAGCGAGCGCGGAGGAGTG 60  
QY 61 CGAGCGCGCGGCTTTGCGCGCGCTCGCTCAGTGGAGCGAGCGCGGAGGAGTG 120  
Db 61 CGAGCGCGCGGCTTTGCGCGCGCTCGCTCAGTGGAGCGAGCGCGGAGGAGTG 120  
QY 121 GCCAA 125  
Db 121 GCCAA 125

RESULT 11  
US-10-276-356-1/c  
; Sequence 1, Application US/10276356  
; Publication No. US20040029106A1  
; GENERAL INFORMATION:  
; APPLICANT: University of No. US20040029106A1th Carolina at Chapel Hill  
; APPLICANT: Samulski, R. Jude  
; APPLICANT: McCarty, Douglas M.  
; TITLE OF INVENTION: DUPLEXED PARVOVIRUS VECTORS  
; FILE REFERENCE: 5470-282  
; CURRENT APPLICATION NUMBER: US/10/276,356  
; CURRENT FILING DATE: 2001-05-31  
; PRIOR APPLICATION NUMBER: PCT/US01/17587  
; PRIOR FILING DATE: 2001-05-31  
; NUMBER OF SEQ ID NOS: 1  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 175  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Inverted terminal repeat from the AAV-2 vector plasmid pSub 201  
US-10-276-356-1

Query Match 100.0%; Score 125; DB 16; Length 175;  
Best Local Similarity 100.0%; Pred. No. 9e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGAGCGCGGAGGAGTG 60  
Db 150 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGGAGCGCGGAGGAGTG 91  
QY 61 CGAGCGCGCGGCTTTGCGCGCGCTCGCTCAGTGGAGCGAGCGCGGAGGAGTG 120  
Db 90 CGAGCGCGCGGCTTTGCGCGCGCTCGCTCAGTGGAGCGAGCGCGGAGGAGTG 31  
QY 121 GCCAA 125  
Db 30 GCCAA 26

RESULT 12  
US-10-023-208-58  
; Sequence 58, Application US/10023208  
; Publication No. US20030124537A1  
; GENERAL INFORMATION:  
; APPLICANT: Li, Min  
; APPLICANT: Liu, Yuan-Ching  
; TITLE OF INVENTION: PROCARYOTIC LIBRARIES AND USES  
; FILE REFERENCE: A-70174-1/RFT/RMS/RMK  
; CURRENT APPLICATION NUMBER: US/10/023,208  
; CURRENT FILING DATE: 2001-12-17  
; PRIOR APPLICATION NUMBER: US 60/256,163  
; PRIOR FILING DATE: 2000-12-14  
; NUMBER OF SEQ ID NOS: 63  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 58  
; LENGTH: 207  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic enzyme attachment site sequence

## US-10-023-208-58

Query Match 100.0%; Score 125; DB 15; Length 207;  
Best Local Similarity 100.0%; Pred. No. 8.6e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60  
DB 42 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 101  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120  
DB 102 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 161  
QY 121 GCCAA 125  
DB 162 GCCAA 166

## RESULT 13

US-09-845-416-26  
; Sequence 26, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO  
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; PRIOR FILING DATE: 2001-04-30  
; PRIOR APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 26  
; LENGTH: 955  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-845-416-26

Query Match 100.0%; Score 125; DB 10; Length 955;  
Best Local Similarity 100.0%; Pred. No. 6.2e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60  
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120  
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120  
QY 121 GCCAA 125  
DB 121 GCCAA 125

## RESULT 14

US-09-845-416-26/c  
; Sequence 26, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO  
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; PRIOR FILING DATE: 2001-04-30  
; PRIOR APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 26

; LENGTH: 955  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-845-416-26

Query Match 100.0%; Score 125; DB 10; Length 955;  
Best Local Similarity 100.0%; Pred. No. 6.2e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60  
DB 955 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 896  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120  
DB 895 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 836  
QY 121 GCCAA 125  
DB 835 GCCAA 831

## RESULT 15

US-09-845-416-33  
; Sequence 33, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO  
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; PRIOR FILING DATE: 2001-04-30  
; PRIOR APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 33  
; LENGTH: 987  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-845-416-33

Query Match 100.0%; Score 125; DB 10; Length 987;  
Best Local Similarity 100.0%; Pred. No. 6.2e-28;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60  
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60  
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120  
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120  
QY 121 GCCAA 125  
DB 121 GCCAA 125

Search completed: December 23, 2004, 14:51:21  
Job time : 214.889 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 23, 2004, 11:48:10 ; Search time 48.6111 Seconds  
(without alignments)  
1827.743 Million cell updates/sec

Title: US-10-620-039-1\_COPY\_1\_125

Perfect score: 125

Sequence: 1 TTGGCCACTCCCTCTCTGGG.....CGCAGAGAGGAGTGCGCCAA 125

Scoring table: IDENTITY NUC

Gapop 10\_0 , Gapext 1.0

Searched: 824507 seqs, 355394441 residues

Total number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.\*

1: /cgn2\_6/prodata/1/ina/SA COMB.seq.\*

2: /cgn2\_6/prodata/1/ina/SB COMB.seq.\*

3: /cgn2\_6/prodata/1/ina/6A COMB.seq.\*

4: /cgn2\_6/prodata/1/ina/6B COMB.seq.\*

5: /cgn2\_6/prodata/1/ina/PCTUS COMB.seq.\*

6: /cgn2\_6/prodata/1/ina/backfileseq.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	125	100.0	145	1	US-07-789-917A-1
2	125	100.0	145	3	US-08-702-573-4
3	125	100.0	145	3	US-08-525-866-1
4	125	100.0	145	3	US-07-982-193-1
5	125	100.0	165	1	US-07-989-841A-1
6	125	100.0	165	2	US-08-440-738A-1
7	125	100.0	165	3	US-08-471-914-1
8	125	100.0	165	4	US-09-276-625-7
9	125	100.0	192	3	US-08-702-573-3
10	125	100.0	4680	1	US-08-254-358-1
11	125	100.0	4680	2	US-08-475-391-1
12	125	100.0	4680	2	US-08-709-609-1
13	125	100.0	4680	5	PCT-US95-07178-1
14	125	100.0	4681	4	US-09-807-802A-18
15	125	100.0	4683	4	US-09-807-802A-19
16	125	100.0	5932	4	US-09-299-141-4
17	125	100.0	5932	4	US-09-299-141-4
18	125	100.0	6142	4	US-09-299-141-8
19	125	100.0	6142	4	US-09-299-141-8
20	125	100.0	6253	3	US-08-993-327-15
21	125	100.0	6253	3	US-08-993-327-15
22	125	100.0	6280	3	US-08-993-327-17
23	125	100.0	6280	3	US-08-993-327-17
24	125	100.0	6280	3	US-08-993-327-19
25	125	100.0	6280	3	US-08-993-327-19
26	125	100.0	6565	4	US-09-299-141-1
27	125	100.0	6565	4	US-09-299-141-1

28	125	100.0	6714	4	US-09-299-141-6	Sequence 6, Appli
29	125	100.0	6714	4	US-09-299-141-6	Sequence 6, Appli
30	125	100.0	6924	4	US-09-299-141-9	Sequence 9, Appli
31	125	100.0	6924	4	US-09-299-141-9	Sequence 9, Appli
32	125	100.0	6924	4	US-09-299-141-10	Sequence 10, Appli
33	125	100.0	6924	4	US-09-299-141-10	Sequence 10, Appli
34	125	100.0	6924	4	US-09-299-141-11	Sequence 11, Appli
35	125	100.0	6924	4	US-09-299-141-11	Sequence 11, Appli
36	125	100.0	6981	4	US-09-299-141-7	Sequence 7, Appli
37	125	100.0	6981	4	US-09-299-141-7	Sequence 7, Appli
38	125	100.0	7054	4	US-09-299-141-3	Sequence 3, Appli
39	125	100.0	7054	4	US-09-299-141-3	Sequence 3, Appli
40	125	100.0	7405	4	US-09-299-141-2	Sequence 2, Appli
41	125	100.0	7405	4	US-09-299-141-2	Sequence 2, Appli
42	125	100.0	7492	4	US-09-299-141-5	Sequence 5, Appli
43	125	100.0	7492	4	US-09-299-141-5	Sequence 5, Appli
44	125	100.0	8698	4	US-09-770-315-2	Sequence 2, Appli
45	123.4	98.7	272	4	US-09-276-625-4	Sequence 4, Appli

## ALIGNMENTS

RESULT 1  
US-07-789-917A-1  
; Sequence 1, Application US/07789917A  
; Patent No. 5252479  
; GENERAL INFORMATION:  
; APPLICANT: Srivastava, Arun  
; TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Scully, Scott, Murphy Presser  
; STREET: 400 Garden City Plaza  
; CITY: Garden City  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 11530  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release q.0, Version q.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07789,917A  
; FILING DATE: 19911118  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: McNulty, William E.  
; REGISTRATION NUMBER: 22,606  
; REFERENCE/DOCKET NUMBER: 8361  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (516) 742-4343  
; TELEFAX: (516) 742-4366  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 145 base pairs  
; TYPE: NUCLEIC ACID  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-07-789-917A-1

Query Match 100.0%; Score 125; DB 1; Length 145;  
Best Local Similarity 100.0%; Pred. No. 4.5e-25;  
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCAGTCAGGCGCGGCGCAAGAGTGCGC	60
Db	1	TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCAGTCAGGCGCGGCGCAAGAGTGCGC	60
QY	61	CGACGCCCGGGCTTTTCCCGGGCGGCTCAGTCAGGCGGCGGCGAGAGGAGTG	120

Accession	Gene	Accession	Gene
1	TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGAGTCGCC	60	TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGAGTCGCC
Qy		Qy	
Db		Db	
1	TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGAGTCGCC	60	TTGGCCACTCCCTCTCTGGCGCTCGCTCGCTCACTGAGCGCGGCGACCAAGAGTCGCC
Qy		Qy	
61	CGAGCCCGGGCTTTCGGGGGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGGTG	120	CGAGCCCGGGCTTTCGGGGGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGGTG
Qy		Qy	
61	CGAGCCCGGGCTTTCGGGGGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGGTG	120	CGAGCCCGGGCTTTCGGGGGGCGCTCACTGAGCGAGCGCGCAGAGAGGAGGTG
Qy		Qy	





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; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-08-440-738A-1

Query Match      100.0%; Score 125; DB 2; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.5e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGTAGGCGCGGCGACCAAGGTCGCC 60
DB      21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGTAGGCGCGGCGACCAAGGTCGCC 80

QY      61 CGAGCGCCGGGCTTTGCCCGGGCGGCTCAGTGTAGGCGAGCGCGCAGAGGAGTG 120
DB      81 CGAGCGCCGGGCTTTGCCCGGGCGGCTCAGTGTAGGCGAGCGCGCAGAGGAGTG 140

QY      121 GCCAA 125
DB      141 GCCAA 145

RESULT 7
US-08-471-914-1
; Sequence 1, Application US/08471914A
; Patent No. 6057152
; GENERAL INFORMATION:
; APPLICANT: Samulewski, R.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM
; FILE REFERENCE: 6636-027
; CURRENT APPLICATION NUMBER: US/08/471,914A
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/440,738
; EARLIER FILING DATE: 1995-05-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: double-D
; OTHER INFORMATION: sequence
US-08-471-914-1

Query Match      100.0%; Score 125; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.5e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGTAGGCGCGGCGACCAAGGTCGCC 60
DB      21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGTAGGCGCGGCGACCAAGGTCGCC 80

QY      61 CGAGCGCCGGGCTTTGCCCGGGCGGCTCAGTGTAGGCGAGCGCGCAGAGGAGTG 120
DB      81 CGAGCGCCGGGCTTTGCCCGGGCGGCTCAGTGTAGGCGAGCGCGCAGAGGAGTG 140

QY      121 GCCAA 125
DB      141 GCCAA 145

RESULT 8
US-09-276-625-7
; Sequence 7, Application US/09276625
; Patent No. 6436392
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongsheng
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875,007US1
; CURRENT APPLICATION NUMBER: US/09/276,625

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; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..192
; OTHER INFORMATION: /note= "Right ITR Sequence in
; Patent No. 6033885
; OTHER INFORMATION: pXL2384"
US-08-702-573-3

Query Match      100.0%; Score 125; DB 3; Length 192;
Best Local Similarity 100.0%; Pred. No. 4.5e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 68 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 127
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 128 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 187
QY 121 GCCAA 125
Db 188 GCCAA 192

RESULT 10
US-08-254-358-1
; Sequence 1, Application US/08254358
; Patent No. 5658785
; GENERAL INFORMATION:
; APPLICANT: Johnson, Philip R.
; TITLE OF INVENTION: Adeno-Associated Virus Materials and
; METHOD OF INVENTION: Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: US/08/254,358
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5658785and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4680 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-254-358-1

Query Match      100.0%; Score 125; DB 1; Length 4680;
Best Local Similarity 100.0%; Pred. No. 5.2e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 68 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 127
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 128 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 187
QY 121 GCCAA 125
Db 188 GCCAA 192
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Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 11
US-08-475-391-1
; Sequence 1, Application US/08475391
; Patent No. 5786211
; GENERAL INFORMATION:
; APPLICANT: Johnson, Philip R.
; TITLE OF INVENTION: Adeno-Associated Virus Materials and
; METHOD OF INVENTION: Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: US/08/475,391
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/254,358
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5786211and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4680 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-475-391-1

Query Match      100.0%; Score 125; DB 1; Length 4680;
Best Local Similarity 100.0%; Pred. No. 5.2e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
Db 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
QY 121 GCCAA 125
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Db      121 GCCAA 125
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RESULT 12
US-08-709-609-1
; Sequence 1, Application US/08709609
; Patent No. 5858775
; GENERAL INFORMATION:
; APPLICANT: Johnson, Philip R.
; TITLE OF INVENTION: Adeno-Associated Virus Materials and
; TITLE OF INVENTION: Methods
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/709,609
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5858775and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31975
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4680 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-709-609-1
Query Match      100.0%; Score 125; DB 2; Length 4680;
Best Local Similarity 100.0%; Pred. No. 5.2e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60
Db      1 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGGCGGACCAAGGTCGCC 60

Qy      61 CGAGCGCCGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGGCGGAGTG 120
Db      61 CGAGCGCCGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGGCGGAGTG 120

Qy      121 GCCAA 125
Db      121 GCCAA 125

RESULT 14
US-09-807-802A-18
; Sequence 18, Application US/09807802A
; Patent No. 6759237
; GENERAL INFORMATION:
; APPLICANT: Willson, James M.
; APPLICANT: Xiao, Weidong
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; TITLE OF INVENTION: Vectors and Host Cells Containing Same
; FILE REFERENCE: GNVFN.031USA
; CURRENT APPLICATION NUMBER: US/09/807,802A
; CURRENT FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent In version 3.1
; SEQ ID NO 18
; LENGTH: 4681
; TYPE: DNA
; ORGANISM: AAV-2
US-09-807-802A-18
Query Match      100.0%; Score 125; DB 4; Length 4681;
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Best Local Similarity 100.0%; Pred. No. 5.2e-25;	
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
Qy	1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCCGGGCGACCAAGGTCGCC 60
Db	1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCCGGGCGACCAAGGTCGCC 60
Qy	61 CGAGCGCCGGGCTTTGGCCCGGGCGGCTCACTGAGCGAGCGCGCAGAGAGGGAGTG 120
Db	61 CGAGCGCCGGGCTTTGGCCCGGGCGGCTCACTGAGCGAGCGCGCAGAGAGGGAGTG 120
Qy	121 GCCAA 125
Db	121 GCCAA 125

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RESULT 15
US-09-807-802A-19
; Sequence 19, Application US/09807802A
; Patent No. 6759237
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Xiao, Weidong
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,
; TITLE OF INVENTION: Vectors and Host Cells Containing Same
; FILE REFERENCE: GNVPN.031USA
; CURRENT APPLICATION NUMBER: US/09/807,802A
; CURRENT FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: US 60/107,114
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/25694
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: AAV-6
US-09-807-802A-19

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Query Match	100.0%	Score 125;	DB 4;	Length 4683;
Best Local Similarity	100.0%;	Pred. No. 5.2e-25;		
Matches 125;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

  

Qy •	1	TTGGCCACTCCCTCTCTGGCGGCTCGCTCGCTCACTGAGGCCGGCGGCACCAAGGTGCC	60
Db	1	TTGGCCACTCCCTCTCTGGCGGCTCGCTCGCTCACTGAGGCCGGCGGCACCAAGGTGCC	60
Qy	61	CGAGCCCGGGGCTTTTGCCCGGGCGGCTCTAGTGAGCGAGCGCGCAGAGGGGAGTG	120
Db	61	CGAGCCCGGGCTTTTGCCCGGGCGGCTCTAGTGAGCGAGCGCGCAGAGGGGAGTG	120
Qy	121	GCCAA	125
Db	121	GCCAA	125

Search completed: December 23, 2004, 13:22:11  
Job time : 49.6111 secs

**This Page Blank (uspto)**

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 23, 2004, 11:48:10 ; Search time 56.3889 Seconds  
(without alignments)  
1827.743 Million cell updates/sec

Title: US-10-620-039-1

Perfect score: 145

Sequence: 1 TTGGCCATCCCTCTCTGCGG.....CTCCATCACTAGGGTTCTCT 145

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 824507 seqs, 355394441 residues

Total number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA:  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	145	100.0	145	1	US-07-789-917A-1
2	145	100.0	145	3	US-08-702-573-4
3	145	100.0	145	3	US-07-982-193-1
4	145	100.0	165	1	US-07-989-841A-1
5	145	100.0	165	2	US-08-440-738A-1
6	145	100.0	165	3	US-08-471-914-1
7	145	100.0	165	4	US-09-276-625-7
8	145	100.0	480	1	US-08-254-358-1
9	145	100.0	480	1	US-08-475-391-1
10	145	100.0	480	2	US-08-709-609-1
11	145	100.0	4680	5	PCT-US95-071178-1
12	145	100.0	4681	4	US-09-807-802A-18
13	145	100.0	4683	4	US-09-807-802A-19
14	145	100.0	5332	4	US-09-299-141-4
15	145	100.0	5332	4	US-09-299-141-4
16	145	100.0	6142	4	US-09-299-141-8
17	145	100.0	6142	4	US-09-299-141-8
18	145	100.0	6253	3	US-08-893-327-15
19	145	100.0	6253	3	US-08-893-327-15
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21	145	100.0	6280	3	US-08-893-327-17
22	145	100.0	6280	3	US-08-893-327-19
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26	145	100.0	6714	4	US-09-299-141-6
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28	145	100.0	6924	4	US-09-299-141-9	Sequence 9, Appli
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c 33	145	100.0	6924	4	US-09-299-141-11	Sequence 11, Appli
34	145	100.0	6981	4	US-09-299-141-7	Sequence 7, Appli
c 35	145	100.0	6981	4	US-09-299-141-7	Sequence 7, Appli
36	145	100.0	7054	4	US-09-299-141-3	Sequence 3, Appli
c 37	145	100.0	7054	4	US-09-299-141-3	Sequence 3, Appli
38	145	100.0	7405	4	US-09-299-141-2	Sequence 2, Appli
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40	145	100.0	7492	4	US-09-299-141-5	Sequence 5, Appli
c 41	145	100.0	7492	4	US-09-299-141-5	Sequence 5, Appli
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43	143.4	98.9	272	4	US-09-276-625-4	Sequence 2, Appli
44	141.8	97.8	5585	2	US-08-305-221-1	Sequence 1, Appli
45	141.8	97.8	5585	4	US-09-000-003A-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1  
US-07-789-917A-1  
; Sequence 1, Application US/07789917A  
; Patent No. 5252479  
; GENERAL INFORMATION:  
; APPLICANT: Srivastava, Arun  
; TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Scully, Scott, Murphy Presser  
; STREET: 400 Garden City Plaza  
; CITY: Garden City  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 11530  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release q.0, Version q.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/789,917A  
; FILING DATE: 19911118  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: McNulty, William E.  
; REGISTRATION NUMBER: 22,606  
; REFERENCE/DOCKET NUMBER: 8361  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (516) 742-4343  
; TELEFAX: (516) 742-4366  
; TELEX: 230 901 SANS UR  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 145 base pairs  
; TYPE: NUCLEIC ACID  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-07-789-917A-1

Query Match 100.0%; Score 145; DB 1; Length 145;  
Best Local Similarity 100.0%; Pred. No. 2e-31; Indels 0; Gaps 0;  
Matches 145; Conservative 0; Mismatches 0;  
QY 1 TTGGCCATCCCTCTCTGCGGCTCGCTCACTAGCGCGGGCGACCAAGGTGCGCC 60  
Db 1 TTGGCCATCCCTCTCTGCGGCTCGCTCACTAGCGCGGGCGACCAAGGTGCGCC 60  
QY 61 CGACGCCCGGGCTTTTCCCGGGGGCTCAGTGAGCGAGCGCGCGAGAGGAGTG 120

Db 61 CGACGCCCGGCTTTGCCCGCGGCTTCAGTGAGCGAGCGCGCAGAGGGAGTG 120  
QY 121 GCCAACTCCATCCTAGGGTTCT 145  
Db 121 GCCAACTCCATCCTAGGGTTCT 145

RESULT 2  
US-08-702-573-4  
; Sequence 4, Application US/08702573  
; Patent No. 6033885  
; GENERAL INFORMATION:  
; APPLICANT: LATTA, Martine  
; APPLICANT: DENEFLÉ, Patrice  
; APPLICANT: VIGNE, Emmanuelle  
; APPLICANT: PERRICAUD, Michel  
; TITLE OF INVENTION: INTEGRATIVE RECOMBINANT ADENOVIRUSES,  
; TITLE OF INVENTION: PREPARATION THEREOF AND THERAPEUTICAL USES THEREOF  
; NUMBER OF SEQUENCES: 13  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Rhone-Poulenc Rorer Inc.  
; STREET: 500 Arcola Rd. 3043  
; CITY: Collegeville  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19426  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/702,573  
; FILING DATE:  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: FR 94/02445  
; FILING DATE: 03-MAR-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/FR95/00233  
; FILING DATE: 28-FEB-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Smith Ph.D., Julie K.  
; REGISTRATION NUMBER: 38,619  
; REFERENCE/DOCKET NUMBER: ST94011-US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (610)454-3839  
; TELEFAX: (610)454-3808  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 145 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 1..145  
; OTHER INFORMATION: /note= "Minimal ITR Sequence"

US-08-702-573-4  
Query Match 100.0%; Score 145; DB 3; Length 145;  
Best Local Similarity 100.0%; Pred. No. 2e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 60  
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 60  
QY 61 CGACGCCCGGCTTTGCCCGCGGCTTCAGTGAGCGAGCGCGCAGAGGGAGTG 120  
Db 61 CGACGCCCGGCTTTGCCCGCGGCTTCAGTGAGCGAGCGCGCAGAGGGAGTG 120

RESULT 4  
US-07-982-193-1  
; Sequence 1, Application US/07982193  
; Patent No. 6261834  
; GENERAL INFORMATION:  
; APPLICANT: Srivastava, Arun  
; TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Scully, Scott, Murphy & Presser  
; STREET: 400 Garden City Plaza  
; CITY: Garden City  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 11530  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/982,193  
; FILING DATE: 19921125  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: McNulty, William E.  
; REGISTRATION NUMBER: 22,606  
; REFERENCE/DOCKET NUMBER: 8361  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (516) 742-4343  
; TELEFAX: (516) 742-4366  
; TELEX: 230 901 SANS UR  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 145 base pairs  
; TYPE: NUCLEIC ACID  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; US-07-982-193-1

Query Match 100.0%; Score 145; DB 3; Length 145;  
Best Local Similarity 100.0%; Pred. No. 2e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 60  
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 60  
QY 61 CGACGCCCGGCTTTGCCCGCGGCTTCAGTGAGCGAGCGCGCAGAGGGAGTG 120  
Db 61 CGACGCCCGGCTTTGCCCGCGGCTTCAGTGAGCGAGCGCGCAGAGGGAGTG 120

QY 121 GCCAACTCCATCCTAGGGTTCT 145  
Db 121 GCCAACTCCATCCTAGGGTTCT 145

RESULT 3  
US-07-982-193-1  
; Sequence 1, Application US/07982193  
; Patent No. 6261834  
; GENERAL INFORMATION:  
; APPLICANT: Srivastava, Arun  
; TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Scully, Scott, Murphy & Presser  
; STREET: 400 Garden City Plaza  
; CITY: Garden City  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 11530  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/982,193  
; FILING DATE: 19921125  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: McNulty, William E.  
; REGISTRATION NUMBER: 22,606  
; REFERENCE/DOCKET NUMBER: 8361  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (516) 742-4343  
; TELEFAX: (516) 742-4366  
; TELEX: 230 901 SANS UR  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 145 base pairs  
; TYPE: NUCLEIC ACID  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; US-07-982-193-1

Query Match 100.0%; Score 145; DB 3; Length 145;  
Best Local Similarity 100.0%; Pred. No. 2e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 60  
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGAGCGCGCAGAGGGAGTG 60  
QY 61 CGACGCCCGGCTTTGCCCGCGGCTTCAGTGAGCGAGCGCGCAGAGGGAGTG 120  
Db 61 CGACGCCCGGCTTTGCCCGCGGCTTCAGTGAGCGAGCGCGCAGAGGGAGTG 120

RESULT 4  
US-07-989-841A-1  
; Sequence 1, Application US/07989841A  
; Patent No. 5478745  
; GENERAL INFORMATION:  
; APPLICANT: Samulski, R. J.  
; APPLICANT: Xiao, X.  
; TITLE OF INVENTION: Recombinant Viral Vector System  
; NUMBER OF SEQUENCES: 6



```
;
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/989,841A
; FILING DATE: On even date herewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 6636-013
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 165 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; US-07-989-841A-1

Query Match 100.0%; Score 145; DB 1; Length 165;
Best Local Similarity 100.0%; Pred. No. 2.1e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 80
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 81 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 140
QY 121 GCCAACTCCATCACTAGGGGTTCTT 145
DB 141 GCCAACTCCATCACTAGGGGTTCTT 165

RESULT 5
US-08-440-738A-1
; Sequence 1, Application US/08440738A
; Patent No. 5869305
; GENERAL INFORMATION:
; APPLICANT: Samulski, R. J.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: Recombinant Viral Vector System
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/440,738A

Query Match 100.0%; Score 145; DB 1; Length 165;
Best Local Similarity 100.0%; Pred. No. 2.1e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
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QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 81 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 140
QY 121 GCCAACTCCATCACTAGGGGTTCTT 145
DB 141 GCCAACTCCATCACTAGGGGTTCTT 165

RESULT 6
US-08-471-914-1
; Sequence 1, Application US/08471914A
; Patent No. 6057152
; GENERAL INFORMATION:
; APPLICANT: Samulski, R.
; APPLICANT: Xiao, X.
; TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM
; FILE REFERENCE: 6636-027
; CURRENT APPLICATION NUMBER: US/08/471,914A
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/440,738
; EARLIER FILING DATE: 1995-05-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: double-D
; OTHER INFORMATION: sequence
; US-08-471-914-1

Query Match 100.0%; Score 145; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 2.1e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGAGAGGGAGTG 60
DB 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGAGAGGGAGTG 80
QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 120
DB 81 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCGAGAGGGAGTG 140
QY 121 GCCAACTCCATCACTAGGGGTTCTT 145
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Db 141 GCCAACTCCATCACTAGGGTTCT 165

RESULT 7

US-09-276-625-7  
; Sequence 7, Application US/09276625  
; Patent No. 6436392  
; GENERAL INFORMATION:  
; APPLICANT: Engelhardt, John F.  
; APPLICANT: Duan, Dongsheng  
; TITLE OF INVENTION: Adeno-associated virus vectors  
; FILE REFERENCE: 875.007U1  
; CURRENT APPLICATION NUMBER: US/09/276,625  
; CURRENT FILING DATE: 1999-03-25  
; PRIOR APPLICATION NUMBER: US 60/086,166  
; PRIOR FILING DATE: 1998-05-20  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 7  
; LENGTH: 165  
; TYPE: DNA  
; ORGANISM: Unknown  
; FEATURE:  
; \* OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 6436392 5,478,745  
US-09-276-625-7

Query Match 100.0%; Score 145; DB 4; Length 165;  
Best Local Similarity 100.0%; Pred. No. 2.1e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60  
Db 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 80  
Qy 61 CGAGCGCGCGGCTTTGCCCGGCGCTCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120  
Db 81 CGAGCGCGCGGCTTTGCCCGGCGCTCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 140  
Qy 121 GCCAACTCCATCACTAGGGTTCT 145  
Db 141 GCCAACTCCATCACTAGGGTTCT 165

RESULT 8

US-08-254-358-1  
; Sequence 1, Application US/08254358  
; Patent No. 5658785  
; GENERAL INFORMATION:  
; APPLICANT: Johnson, Philip R.  
; TITLE OF INVENTION: Adeno-Associated Virus Materials and  
; TITLE OF INVENTION: Methods  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
; STREET: 6300 Sears Tower, 233 S. Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/254,358  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: No. 5658785and, Greta E.  
; REGISTRATION NUMBER: 35,302  
; REFERENCE/DOCKET NUMBER: 31975

TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (312) 474-6300  
; TELEFAX: (312) 474-0448  
; TELEX: 25-3856  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4680 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-08-254-358-1

Query Match 100.0%; Score 145; DB 1; Length 4680;  
Best Local Similarity 100.0%; Pred. No. 2.9e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGGGACCAAGGTCGCC 60  
Qy 61 CGAGCGCGCGGCTTTGCCCGGCGCTCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120  
Db 61 CGAGCGCGCGGCTTTGCCCGGCGCTCGCTCACTGAGCGAGCGCGCGAGAGGGAGTG 120  
Qy 121 GCCAACTCCATCACTAGGGTTCT 145  
Db 121 GCCAACTCCATCACTAGGGTTCT 145

RESULT 9

US-08-475-391-1  
; Sequence 1, Application US/08475391  
; Patent No. 5786211  
; GENERAL INFORMATION:  
; APPLICANT: Johnson, Philip R.  
; TITLE OF INVENTION: Adeno-Associated Virus Materials and  
; TITLE OF INVENTION: Methods  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
; STREET: 6300 Sears Tower, 233 S. Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/475,391  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/254,358  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: No. 5786211and, Greta E.  
; REGISTRATION NUMBER: 35,302  
; REFERENCE/DOCKET NUMBER: 31975  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (312) 474-6300  
; TELEFAX: (312) 474-0448  
; TELEX: 25-3856  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4680 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)

US-08-475-391-1

Query Match 100.0%; Score 145; DB 1; Length 4680;  
Best Local Similarity 100.0%; Pred. No. 2.9e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60  
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60  
QY 61 CGACGCCCGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120  
DB 61 CGACGCCCGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120  
QY 121 GCCAACTCCATCACTAGGGGTTCT 145  
DB 121 GCCAACTCCATCACTAGGGGTTCT 145

RESULT 10

US-08-709-609-1

; Sequence 1, Application US/08709609  
; Patent No. 5858775  
; GENERAL INFORMATION:  
; APPLICANT: Johnson, Philip R.  
; TITLE OF INVENTION: Adeno-Associated Virus Materials and  
; METHOD OF INVENTION: Methods  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
; STREET: 6300 Sears Tower, 233 S. Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/709,609  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: No. 5858775and, Greta E.  
; REGISTRATION NUMBER: 35,302  
; REFERENCE/DOCKET NUMBER: 31975  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (312) 474-6300  
; TELEFAX: (312) 474-0448  
; TELEX: 25-3856  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4680 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)

US-08-709-609-1

Query Match 100.0%; Score 145; DB 2; Length 4680;  
Best Local Similarity 100.0%; Pred. No. 2.9e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60  
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60  
QY 61 CGACGCCCGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120  
DB 61 CGACGCCCGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTCT 145  
DB 121 GCCAACTCCATCACTAGGGGTTCT 145

RESULT 11

PCT-US95-07178-1

; Sequence 1, Application PC/TUS9507178  
; GENERAL INFORMATION:  
; APPLICANT: Johnson, Philip R.  
; TITLE OF INVENTION: Adeno-Associated Virus Materials and  
; METHOD OF INVENTION: Methods  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
; STREET: 6300 Sears Tower, 233 S. Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/07178  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Noland, Greta E.  
; REGISTRATION NUMBER: 35,302  
; REFERENCE/DOCKET NUMBER: 31975  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (312) 474-6300  
; TELEFAX: (312) 474-0448  
; TELEX: 25-3856  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4680 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)

Query Match 100.0%; Score 145; DB 5; Length 4680;  
Best Local Similarity 100.0%; Pred. No. 2.9e-31;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60  
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAGGTCGCC 60  
QY 61 CGACGCCCGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120  
DB 61 CGACGCCCGGCTTTGCCCGGCGGCTCAGTGAGCGAGCGCGCGCAGAGGGAGTG 120  
QY 121 GCCAACTCCATCACTAGGGGTTCT 145  
DB 121 GCCAACTCCATCACTAGGGGTTCT 145

RESULT 12

US-09-807-802A-18

; Sequence 18, Application US/09807802A  
; Patent No. 6759237  
; GENERAL INFORMATION:  
; APPLICANT: Wilson, James M.  
; APPLICANT: Xiao, Weidong  
; TITLE OF INVENTION: Adeno-Associated Virus Serotype I Nucleic Acid Sequences,  
; METHOD OF INVENTION: Vectors and Host Cells Containing Same  
; FILE REFERENCE: GNPVN.031USA



Qy	61	CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGCGGCACAGAGGGAGTG	120
Db	3018	CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTCAGCGAGCGCGGCACAGAGGGAGTG	2959
Qy	121	GCCAACTCCATCACTAGGGGTTCT	145
Db	2958	GCCAACTCCATCACTAGGGGTTCT	2934

Search completed: December 23, 2004, 13:22:10  
Job time : 58.3889 secs

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Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	145	100.0	145	9	US-09-782-378A-6	Sequence 6, Appli
2	145	100.0	145	18	US-10-837-029-1	Sequence 1, Appli
3	145	100.0	145	18	US-10-837-029-11	Sequence 11, Appl
4	145	100.0	146	13	US-10-135-984-8	Sequence 8, Appli
5	145	100.0	165	9	US-09-782-378A-8	Sequence 7, Appli
6	145	100.0	165	13	US-10-054-665-7	Sequence 7, Appli
7	145	100.0	165	15	US-10-159-968-13	Sequence 13, Appl
C 8	145	100.0	170	17	US-10-669-641-3	Sequence 3, Appli
C 9	145	100.0	175	16	US-10-276-356-1	Sequence 1, Appli
10	145	100.0	207	15	US-10-023-208-58	Sequence 58, Appl
11	145	100.0	955	10	US-09-845-416-26	Sequence 26, Appl
C 12	145	100.0	.955	10	US-09-845-416-26	Sequence 26, Appl

Db	1	TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTAGCGCCGGCGCACCAAGGTCGCC	60
Qy	61	CGACGCCCGGGGTTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCAGAGAGGAGTG	120
Db	61	CGACGCCCGGGGTTTTGCCCGGGCGGCTCAGTGAGCGAGCGCGCAGAGAGGAGTG	120
Qy	121	GCCAACTCCATCACTAGGGGTTCTCT	145
Db	121	GGCAACTCCATCACTAGGGGTTCTCT	145

## RESULT 4

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US-10-135-984-8
; Sequence 8, Application US/10135984
; Publication No. US20020182595A1
; GENERAL INFORMATION:
; APPLICANT: Matthew D. Weitzman
; APPLICANT: Anton J. Cathomen
; TITLE OF INVENTION: METHOD OF IDENTIFYING CELLULAR
; FILE OF INVENTION: REGULATORS OF ADENO-ASSOCIATED VIRUS (AAV)
; FILE REFERENCE: SALKINS.041A
; CURRENT APPLICATION NUMBER: US/10/135,984
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/286951
; PRIOR FILING DATE: 2001-04-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 146
; TYPE: DNA
; ORGANISM: adeno-associated virus
US-10-135-984-8

```

## RESULT, T. 5

```

US-09-782-378A-8
; Sequence 8, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wadie
; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-782-378A-8

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Mon Dec 27 14:58:55 2004

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121 121 GCCAACTCCATCATCTAGGGGTTTCCT 145
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121 121 GCCAACTCCATCATCTAGGGGTTTCCT 145
      |||||

RESULT 2
US-10-837-029-1
: Sequence 1, Application US/10837029
: Publication No. US20040248301A1

```

DECEMBER 3

```

US-10-837-029-11
; Sequence 11, Application US/10837029
; Publication No. US20040248301A1
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; TITLE OF INVENTION: ADENO ASSOCIATED VIRUS VECTORS WITH
; TITLE OF INVENTION: INTRAVECTOR HETEROLOGOUS TERMINAL PALINDROMIC SEQUENCES
; FILE REFERENCE: 875.105US1
; CURRENT APPLICATION NUMBER: US/10/837,029
; CURRENT FILING DATE: 2004-04-30
; PRIOR APPLICATION NUMBER: US 10/194,421
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: US 60/305,204
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Adeno-associated virus
US-10-837-029-11

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Query Match 100.0%; Score 145; DB 18; Length 145;  
Best Local Similarity 100.0%; Pred. No. 4,ile-35;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



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Query Match      100.0%; Score 145; DB 9; Length 165;
Best Local Similarity 100.0%; Pred. No. 4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAAGGTCGCC 60
DB 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGGCGAGAGGGAGTG 120
DB 81 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGGCGAGAGGGAGTG 140

QY 121 GCCAACTCCATCACTAGGGGTTCTT 145
DB 141 GCCAACTCCATCACTAGGGGTTCTT 165

RESULT 6
US-10-054-665-7
; Sequence 7, Application US/10054665
; Publication No. US20020197237A1
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John P.
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007US2
; CURRENT APPLICATION NUMBER: US/10/054,665
; PRIOR FILING DATE: 2002-06-13
; PRIOR APPLICATION NUMBER: US 09/276,625
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 5,478,745
US-10-054-665-7

Query Match      100.0%; Score 145; DB 13; Length 165;
Best Local Similarity 100.0%; Pred. No. 4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAAGGTCGCC 60
DB 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGGCGAGAGGGAGTG 120
DB 81 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGGCGAGAGGGAGTG 140

QY 121 GCCAACTCCATCACTAGGGGTTCTT 145
DB 141 GCCAACTCCATCACTAGGGGTTCTT 165

RESULT 7
US-10-159-968-13/c
; Sequence 13, Application US/10159968
; Publication No. US20030152914A1
; GENERAL INFORMATION:
; APPLICANT: Kaplitt, Michael G.
; APPLICANT: Musatov, Serge
; TITLE OF INVENTION: Method for Generating Replication
; FILE REFERENCE: 600-1-286
; CURRENT APPLICATION NUMBER: US/10/159,968
; PRIOR FILING DATE: 2002-05-31
; OTHER INFORMATION: Defective Viral Vectors That are Helper Free
; OTHER INFORMATION: Defective Viral Vectors That are Helper Free
US-10-159-968-13/c

Query Match      100.0%; Score 145; DB 9; Length 165;
Best Local Similarity 100.0%; Pred. No. 4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAAGGTCGCC 60
DB 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAAGGTCGCC 80

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGGCGAGAGGGAGTG 120
DB 81 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGGCGAGAGGGAGTG 140

QY 121 GCCAACTCCATCACTAGGGGTTCTT 145
DB 141 GCCAACTCCATCACTAGGGGTTCTT 165

RESULT 8
US-10-669-641-3
; Sequence 3, Application US/10669641
; Publication No. US20040137626A1
; GENERAL INFORMATION:
; APPLICANT: WAGNER, THOMAS E.
; APPLICANT: YU, XIANKANG
; TITLE OF INVENTION: AAV ITR-MEDIATED MODULATION
; FILE REFERENCE: 035879-0165
; CURRENT APPLICATION NUMBER: US/10/669,641
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/413,450
; PRIOR FILING DATE: 2002-09-26
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 3
; LENGTH: 170
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic AAV
; OTHER INFORMATION: ITR nucleotide sequence
US-10-669-641-3

Query Match      100.0%; Score 145; DB 17; Length 170;
Best Local Similarity 100.0%; Pred. No. 4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAAGGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGACCAAAAGGTCGCC 60

QY 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGGCGAGAGGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCCCGGGCGGCTCAGTGAGCGAGCGAGCGCGGCGAGAGGGAGTG 120

QY 121 GCCAACTCCATCACTAGGGGTTCTT 145
DB 121 GCCAACTCCATCACTAGGGGTTCTT 145

RESULT 9
US-10-276-356-1/c
; Sequence 1, Application US/10276356
; Publication No. US20040029106A1
```

GENERAL INFORMATION:  
; APPLICANT: University of No. US20040029106Alth Carolina at Chapel Hill  
; APPLICANT: Samulski, R. Jude  
; APPLICANT: McCarty, Douglas M.  
; TITLE OF INVENTION: DUPLICATED PARVOVIRUS VECTORS  
; FILE REFERENCE: 5470-282  
; CURRENT APPLICATION NUMBER: US/10/276,356  
; CURRENT FILING DATE: 2001-05-31  
; PRIOR APPLICATION NUMBER: PCT/US01/17587  
; PRIOR FILING DATE: 2001-05-31  
; NUMBER OF SEQ ID NOS: 1  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 1  
; LENGTH: 175  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Inverted terminal repeat from the AAV-2 vector plasmid pSub 201  
US-10-276-356-1

Query Match 100.0%; Score 145; DB 16; Length 175;  
Best Local Similarity 100.0%; Pred. No. 4e-35; Indels 0; Gaps 0;  
Matches 145; Conservative 0; Mismatches 0;  
QY: 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTAGAGCGCGGCGACCAAGGTCGCC 60  
Db 150 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTAGAGCGCGGCGACCAAGGTCGCC 91  
QY: 61 CGAGCGCCGGGCTTTGCGCGGCGGCTCACTAGAGCGCGGCGAGAGGAGTG 120  
Db 90 CGAGCGCCGGGCTTTGCGCGGCGGCTCACTAGAGCGCGGCGAGAGGAGTG 31  
QY: 121 GCCAACTCCATCACTAGGGTTCT 145  
Db 30 GCCAACTCCATCACTAGGGTTCT 6

RESULT 10  
US-10-023-208-58  
; Sequence 58, Application US/10023208  
; Publication No. US20030124537A1  
; GENERAL INFORMATION:  
; APPLICANT: Li, Min  
; APPLICANT: Liu, Yuan-Ching  
; TITLE OF INVENTION: PROCAROTIC LIBRARIES AND USES  
; FILE REFERENCE: A-70174-1/RT/RMS/RMK  
; CURRENT APPLICATION NUMBER: US/10/023,208  
; CURRENT FILING DATE: 2001-12-17  
; PRIOR APPLICATION NUMBER: US 60/256,163  
; PRIOR FILING DATE: 2000-12-14  
; NUMBER OF SEQ ID NOS: 63  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 58  
; LENGTH: 207  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic enzyme attachment site sequence  
US-10-023-208-58

Query Match 100.0%; Score 145; DB 15; Length 207;  
Best Local Similarity 100.0%; Pred. No. 3.9e-35;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY: 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTAGAGCGCGGCGACCAAGGTCGCC 60  
Db 42 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTAGAGCGCGGCGACCAAGGTCGCC 101  
QY: 61 CGAGCGCCGGGCTTTGCGCGGCGGCTCACTAGAGCGCGGCGAGAGGAGTG 120  
Db 102 CGAGCGCCGGGCTTTGCGCGGCGGCTCACTAGAGCGCGGCGAGAGGAGTG 161  
QY: 121 GCCAACTCCATCACTAGGGTTCT 145

Db 162 GCCAACTCCATCACTAGGGTTCT 186

RESULT 11  
US-09-845-416-26  
; Sequence 26, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO  
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; CURRENT FILING DATE: 2001-04-30  
; PRIOR APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: Patent in Ver. 2.1  
; SEQ ID NO 26  
; LENGTH: 955  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-845-416-26

Query Match 100.0%; Score 145; DB 10; Length 955;  
Best Local Similarity 100.0%; Pred. No. 3.2e-35;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY: 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTAGAGCGCGGCGACCAAGGTCGCC 60  
Db 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTAGAGCGCGGCGACCAAGGTCGCC 60  
QY: 61 CGAGCGCCGGGCTTTGCGCGGCGGCTCACTAGAGCGCGGCGAGAGGAGTG 120  
Db 61 CGAGCGCCGGGCTTTGCGCGGCGGCTCACTAGAGCGCGGCGAGAGGAGTG 120  
QY: 121 GCCAACTCCATCACTAGGGTTCT 145  
Db 121 GCCAACTCCATCACTAGGGTTCT 145

RESULT 12  
US-09-845-416-26/c  
; Sequence 26, Application US/09845416  
; Publication No. US20030171312A1  
; GENERAL INFORMATION:  
; APPLICANT: XIAO, XIAO  
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
; FILE REFERENCE: DE1142  
; CURRENT APPLICATION NUMBER: US/09/845,416  
; CURRENT FILING DATE: 2001-04-30  
; PRIOR APPLICATION NUMBER: 60/200,777  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: Patent in Ver. 2.1  
; SEQ ID NO 26  
; LENGTH: 955  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-845-416-26

Query Match 100.0%; Score 145; DB 10; Length 955;  
Best Local Similarity 100.0%; Pred. No. 3.2e-35;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY: 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTAGAGCGCGGCGACCAAGGTCGCC 60  
Db 955 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTAGAGCGCGGCGACCAAGGTCGCC 896  
QY: 61 CGAGCGCCGGGCTTTGCGCGGCGGCTCACTAGAGCGCGGCGAGAGGAGTG 120

Db 895 CGACGCCGGGCTTTGCCGGGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 836  
 Qy 121 GCCAACTCCATCACTAGGGTTCT 145  
 Db 835 GCCAACTCCATCACTAGGGTTCT 811

RESULT 13  
 US-09-845-416-33  
 ; Sequence 33, Application US/09845416  
 ; Publication No. US20030171312A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: XIAO, XIAO  
 ; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 ; FILE REFERENCE: DE1142  
 ; CURRENT APPLICATION NUMBER: US/09/845,416  
 ; PRIOR FILING DATE: 2001-04-30  
 ; PRIOR APPLICATION NUMBER: 60/200,777  
 ; PRIOR FILING DATE: 2000-04-28  
 ; NUMBER OF SEQ ID NOS: 36  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 33  
 ; LENGTH: 987  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-845-416-33

Query Match 100.0%; Score 145; DB 10; Length 987;  
 Best Local Similarity 100.0%; Pred. No. 3.1e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGAGCGCGCGCAGAGAGGTCGCC 60  
 Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGAGCGCGCGCAGAGAGGTCGCC 60  
 Qy 61 CGACGCCGGGCTTTGCCGGGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120  
 Db 61 CGACGCCGGGCTTTGCCGGGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120  
 Qy 121 GCCAACTCCATCACTAGGGTTCT 145  
 Db 121 GCCAACTCCATCACTAGGGTTCT 145

RESULT 14  
 US-09-845-416-33/c  
 ; Sequence 33, Application US/09845416  
 ; Publication No. US20030171312A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: XIAO, XIAO  
 ; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 ; FILE REFERENCE: DE1142  
 ; CURRENT APPLICATION NUMBER: US/09/845,416  
 ; PRIOR FILING DATE: 2001-04-30  
 ; PRIOR APPLICATION NUMBER: 60/200,777  
 ; PRIOR FILING DATE: 2000-04-28  
 ; NUMBER OF SEQ ID NOS: 36  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 33  
 ; LENGTH: 987  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-845-416-33

Query Match 100.0%; Score 145; DB 10; Length 987;  
 Best Local Similarity 100.0%; Pred. No. 3.1e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGCAGAGAGGTCGCC 60  
 Db 987 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGCAGAGAGGTCGCC 928

Qy 61 CGACGCCGGGCTTTGCCGGGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120  
 Db 927 CGACGCCGGGCTTTGCCGGGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 868  
 Qy 121 GCCAACTCCATCACTAGGGTTCT 145  
 Db 867 GCCAACTCCATCACTAGGGTTCT 843

RESULT 15  
 US-09-845-416-32  
 ; Sequence 32, Application US/09845416  
 ; Publication No. US20030171312A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: XIAO, XIAO  
 ; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE  
 ; FILE REFERENCE: DE1142  
 ; CURRENT APPLICATION NUMBER: US/09/845,416  
 ; CURRENT FILING DATE: 2001-04-30  
 ; PRIOR APPLICATION NUMBER: 60/200,777  
 ; PRIOR FILING DATE: 2000-04-28  
 ; NUMBER OF SEQ ID NOS: 36  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 32  
 ; LENGTH: 4414  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-845-416-32

Query Match 100.0%; Score 145; DB 10; Length 4414;  
 Best Local Similarity 100.0%; Pred. No. 2.5e-35;  
 Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGCAGAGAGGTCGCC 60  
 Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTGAGCGCGCGCAGAGAGGTCGCC 60  
 Qy 61 CGACGCCGGGCTTTGCCGGGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120  
 Db 61 CGACGCCGGGCTTTGCCGGGGCTCAGTGAGCGAGCGCGCGCAGAGAGGAGTG 120  
 Qy 121 GCCAACTCCATCACTAGGGTTCT 145  
 Db 121 GCCAACTCCATCACTAGGGTTCT 145

Search completed: December 23, 2004, 14:51:20  
 Job time : 250.111 secs

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